

// Freecom

MANUAL



DVB-T / DVB-T&ANALOG TV USB **STICK**

DIGITAL / HYBRID (DVB-T&ANALOG) TERRESTRIAL TV & RADIO RECEIVER / USB 2.0

WIN XP

Dear customer,

The Freecom DVB-T Stick is fully compatible for your desktop PC or laptop use. Its tiny size design with high speed USB2.0 interface let you enjoy digital (FTA) Radio and TV programs and Analog TV programs.

It is also a Digital and Analog Video Recorder that you may record your favorite TV programs on your hard disc either real time or scheduling. Quick setup makes you easy to use. It provides you an immediate personal access with lots useful functions such as Channel Auto Scan, Teletext, Electronic Program Guide, Favorite List etc. Yet, there is no need extra power supply.

Freecom Technologies • Germany
www.freecom.com

Warning !

All rights reserved. The products named in this manual are only used for identification purposes and may be trademarks or registered trademarks of the respective companies. This device was designed for home or office use.

This device is equipment complying with EN55022 class B.

Freecom Technologies is not liable for any damages that may occur from the use of a Freecom system. All rights reserved. We reserve the right to upgrade our products is keeping with technological advances.

Users manual

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Package Contents

- Freecom DVB-T Stick
- IR Remote Control
- Quick Installation Guide
- Terrestrial Antenna
- MCX-IEC Connector
- Manual & Application CD

System Requirements

The following hard- and software requirements must be fulfilled to ensure trouble-free operation.

Hardware Requirements

- IBM or IBM compatible computer
- P4 2 GHz or above for SDTV (Note: P4 2.4 GHz or above for recording)
- Memory: 256 MB or more
- Sound Card (AC97 compatible)
- Graphic Card (Support Microsoft Direct 9.0b or above)

Software Requirements

- Microsoft Windows XP SP1 or above
- Windows Media player 9.0
- Microsoft Direct X9.0c or above
- Microsoft Windows XP Media Center Edition*

Important Notice: All channels are dependent on the broadcast coverage and can change from time to time. In order to receive digital TV (DVB-T) you have to be in an area where digital TV is broadcasted. An upgrade may be necessary. We strongly recommend to install an outdoor antenna if you use your DVB-T Stick indoors.

* Usage of your Freecom DVB-T Stick with Windows XP Media Center Edition. Your Freecom DVB-T Stick is compatible with Windows XP Media Center Edition. If you own the Freecom DVB-T Digital Stick, you can enjoy AC3 (Dolby Stereo) in ArcSoft TotalMedia as well as in Windows Media Center**.

If you own the Freecom DVB-T Hybrid Stick, you can enjoy AC3 (Dolby Stereo) in ArcSoft TotalMedia and in Windows Media Center** too, but you have to run it in digital mode. If you want to use your Freecom DVB-T Hybrid Stick in analog mode, you can only use it with ArcSoft TotalMedia, but not with Windows Media Center.

** In TV-Mode only.

Warnings and Safety Instructions

Please read and follow the below mentioned instructions. They should be observed in order to prevent injury to the user, damage to the device and damage to property, as well as to ensure safe use of the product. Not following these instructions may cause the unit to malfunction.

Note:

- 1. The Terrestrial digital wireless broadcast signal may be affected by topography, objects and weather. This can cause a poor signal quality. Therefore, we strongly suggest you to use a rooftop antenna when using the DVB-T USB Stick indoors.**
- 2. This product is moveable, but it is not suitable for using in a highspeed moving environment. Please check other associated products for these requirements.**
- 3. When you use the function of pre-recording, real time recording, or time shifting, please make sure you have enough hard disk space to save huge recording data.**
- 4. In order to operate properly, please follow the user manual and suggestion setup. Improper operations may cause the system to be unstable or to crash. Before you unplug the DVB-T USB Stick, please make sure you have closed all related applications.**
- 5. We reserve the right to add or delete functions of the application. All new released drivers and applications can be downloaded from our website. We are not responsible for further notice.**

How to Install on CD



Installation Steps

- Insert the "Manual & Application" CD into the CD-ROM drive
- Connect the Freecom DVB-T Stick to your computer.
- Install Driver / Install DTV application
- Install DirectX 9.0 and reboot your system. (If DirectX 9.0 is already installed, you may skip to next step) Restart Computer

Chapter 1: Connect Freecom DVB-T Stick

GB

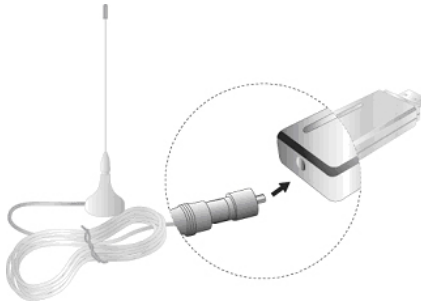
1

Receiver to your computer

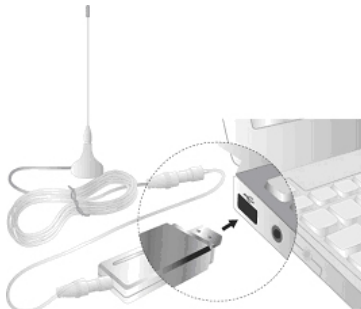
1. Connecting IEC connector to antenna.



2. Connecting antenna to DVB-T Stick



3. Connecting DVB-T Stick to USB interface on your computer.



4. (Option:) You may need longer USB cable for the connection between DVB-T Stick and USB interface on your computer.



Note: When connecting the Freecom DVB-T USB Stick to a notebook, make sure the energy saving function is deactivated. The energy saving function reduces CPU performance and might influence the operation of the DVB-T USB stick.

Note: The antenna and the DVB-T USB receiver must be placed in an appropriate position for best reception each time the DTV is used.

Chapter 2: Install Driver and Application

GB

2

IMPORTANT NOTICE!! Please close all applications running before installation process.

Please connect the Freecom DVB-T Stick to your computer to start the driver installation.

1. Windows will scan the new software, Please click **"No, not this time"**, and click **"Next"** to continue.



2. Insert the software CD into the CD-ROM drive. Please click **"Install the software automatically (Recommended)"**, and click **"Next"** to continue.



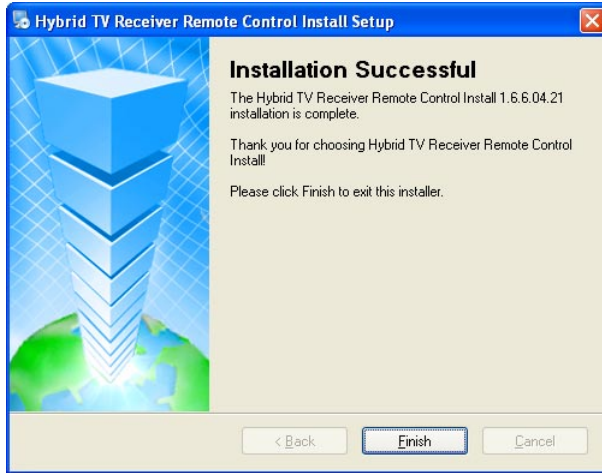
3. Please click **“Continue Anyway”**.



Notes: If you use Windows XP SP2, Microsoft DirectX 9.0c is preinstalled. If you use an earlier version of these operating systems, you are prompted to install DirectX 9.0c. Please follow the installation instructions after the reboot.

4. Completing the found New Hardware Wizard, Please click **“Finish”**

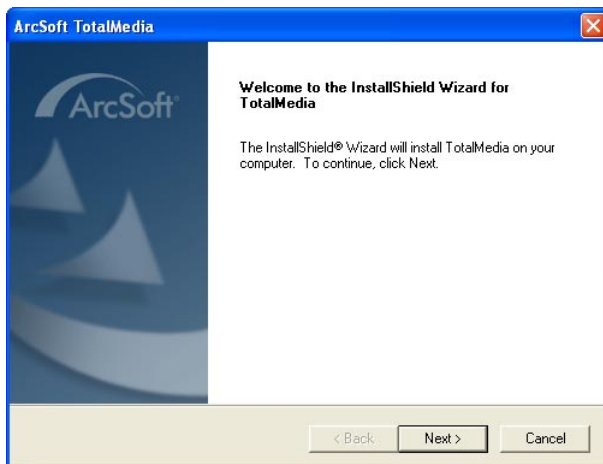




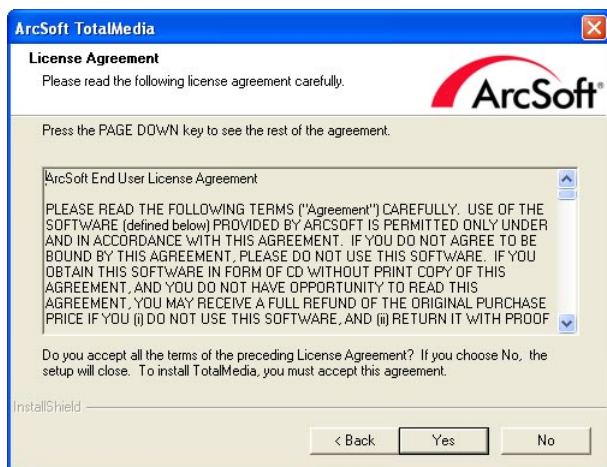
5. Choose Setup Language then click **"OK"** to continue.



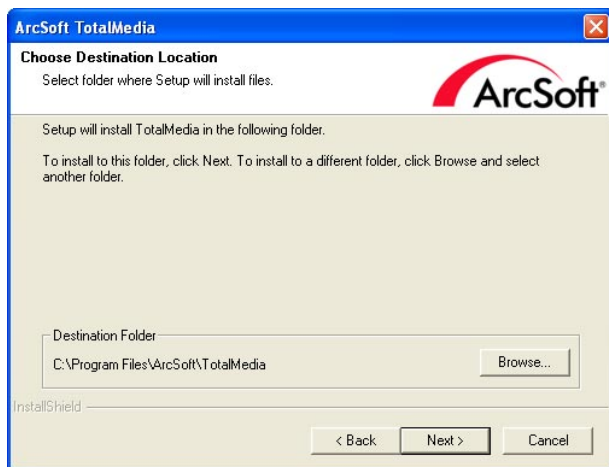
6. Click **"Next"** to continue.



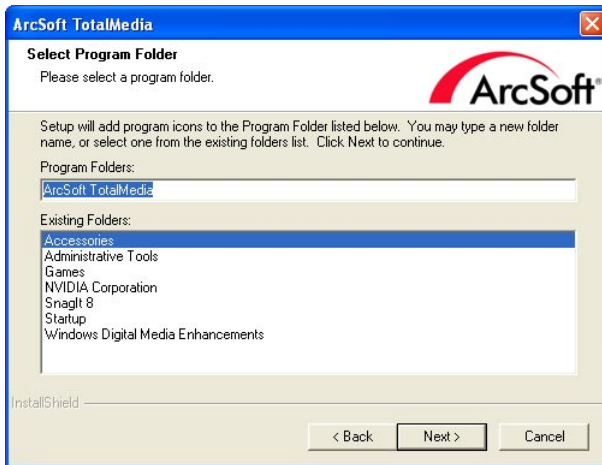
7. Please read the license agreement carefully then click **"Yes"** to continue.



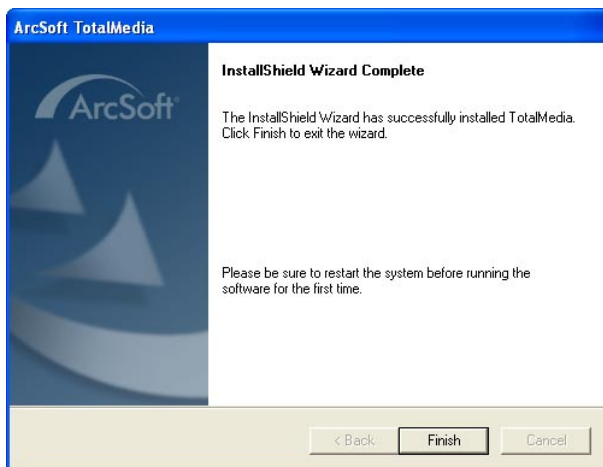
8. Application will be saved to the default folder, **C:\Program Files\ArcSoft\TotalMedia**. You may change it by pressing **"Browse"** and choose where you would like to save the application.



9. Default setting for Application shortcut folder name is **ArcSoft TotalMedia**. You may change it and type folder name in blank field. Click "**Next**" to continue.



10. Please click "**Finish**", and reboot your system to complete installation.

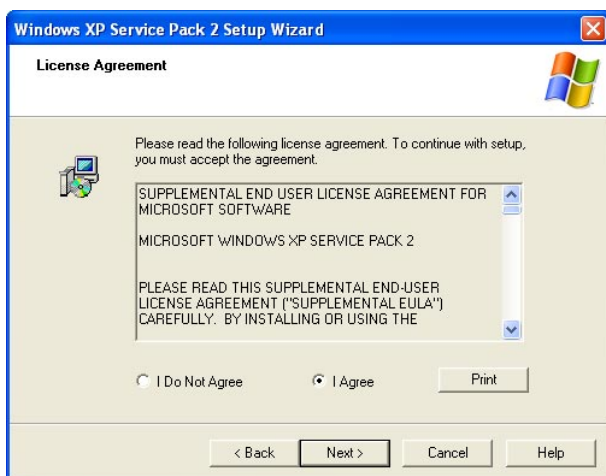


Note: If you are using the Windows XP SP2, the installation complete after you finish the step 10. If not, please continue to install next steps.

11. Install the Windows XP update program, please click **"Next"** to continue.



12. Please read the license agreement carefully then select **"I Agree"**. click **"Next"** to continue.



13. Please click **"Finish"** then reboot your system to complete the installation.



(only Hybrid): An icon is placed in your systemtray. You can rightclick on that icon to select the application that you want to control with your remote control.



Microsoft Windows XP Media Center Edition



Microsoft Windows XP

Later installation of the DVB-T application

If you uninstalled the software or cancelled the software installation, you can run the software installation again any time by click the software button



on the CD.

Chapter 3: DTV Software / System Introduction

DVB-T player Software is an all-in-one multimedia application that allows you to access and work with digital photos, home videos, recorded TV programs, radio and your digital music library right from your TV or home computer.



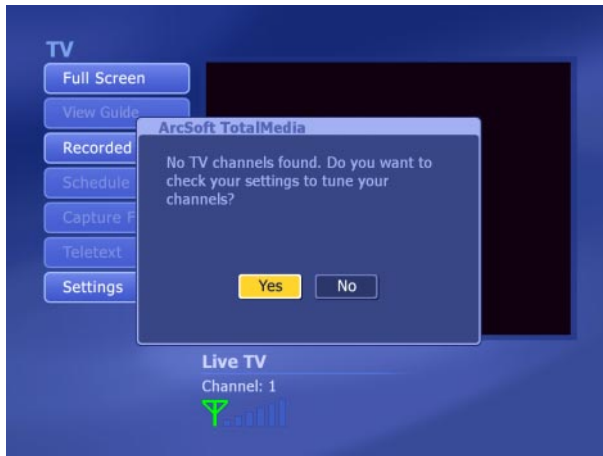
TotalMedia is divided into the main sections below.

Setup / TV / Photo / Music / Video

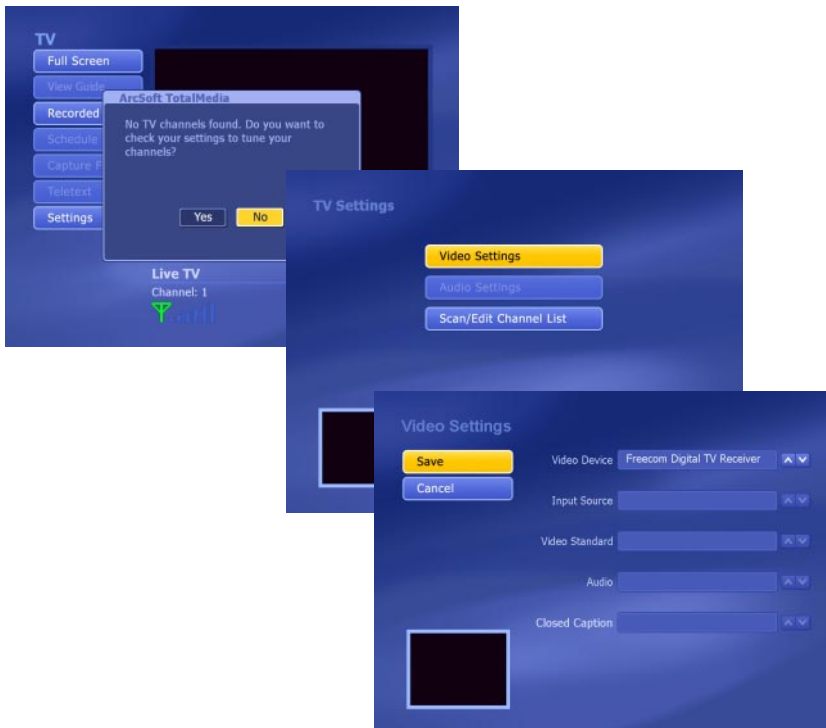
1. When you watch TV for the first time, the application will prompt you to scan for channels. It's important to do this. After scanning is complete, you can use your remote control to change channels, or use the channel controls in the floating toolbar at the bottom of the screen.

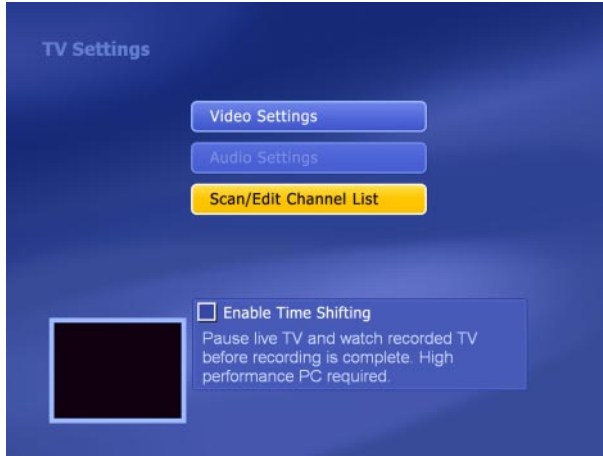
You may pause and rewind TV (while you're watching) using both the remote control and the toolbar.

2a. **Digital:** Scan channels.



2b. **Hybrid:** Choose between „analog“ or „digital“. Digital is the default setting. If you want to change to „analog“ you have to do this by switching to „Freecom Analog TV Receiver“ in the „Video-Settings“ menu.





3. Please choose your region and then click „Start“.

3.1 TV Settings digital/analog (only Hybrid)

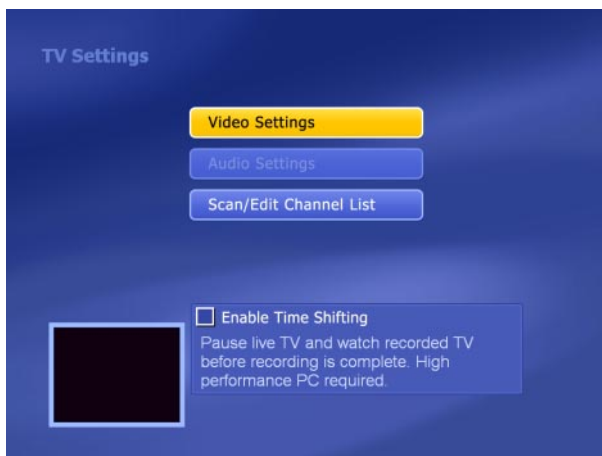
1. The Device includes Digital and Analog specifications, please click **"TV"** to switch.





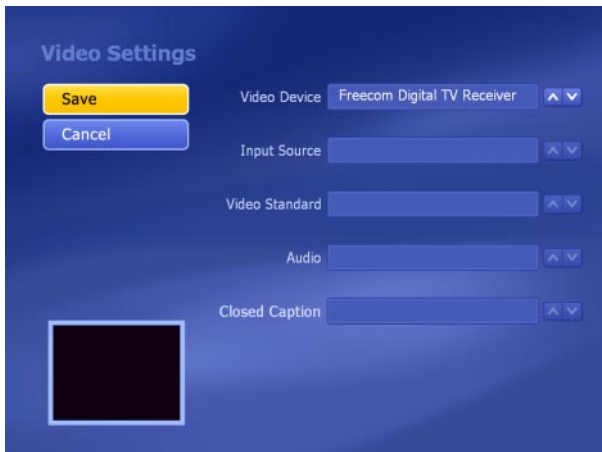
2. Please click **"Settings"** to continue.

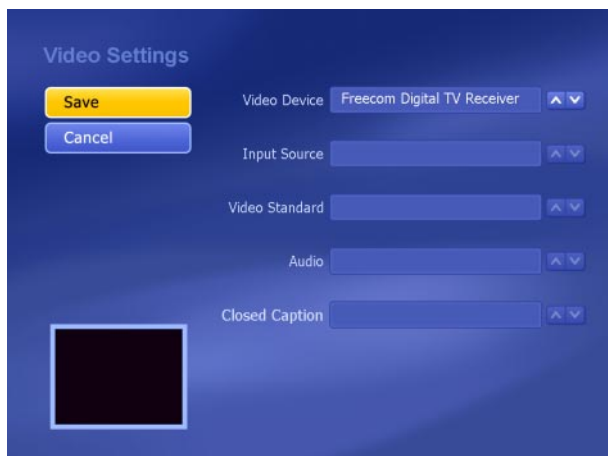




3. Please click **"Video Settings"** to continue.

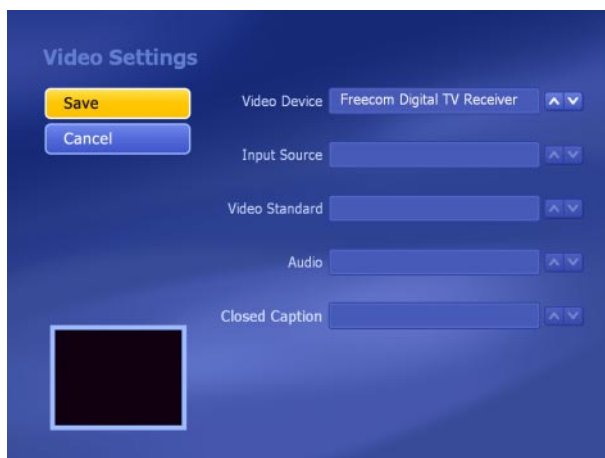


4. Please click  or  to switch Freecom Analog TV Receiver and Freecom Digital TV Receiver, then please click **"Save"** to continue.





5. If the video device is "**Freecom Analog TV Receiver**", please click  or  on the "**Video Standard**" to choose the region need. Such as NTSC_M, PAL, SECAM, then click "**save**" to finish.



3.2 How to Use Online Help for Setup / TV / Photo / Music / Video

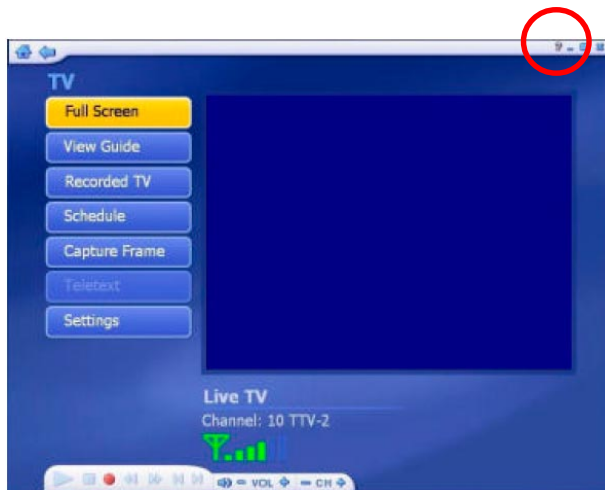
1. Double click the icon created on desktop.



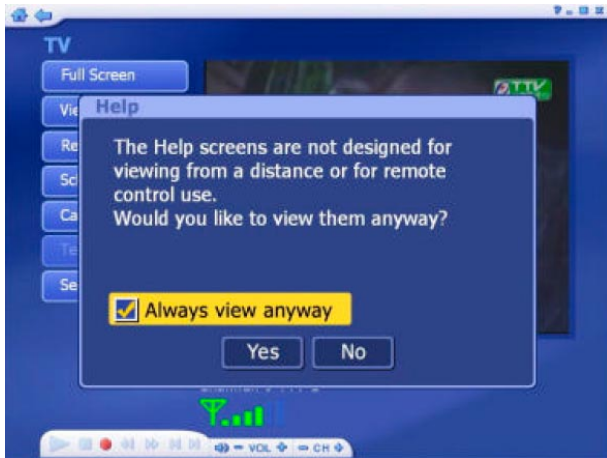
2. Choose a category.



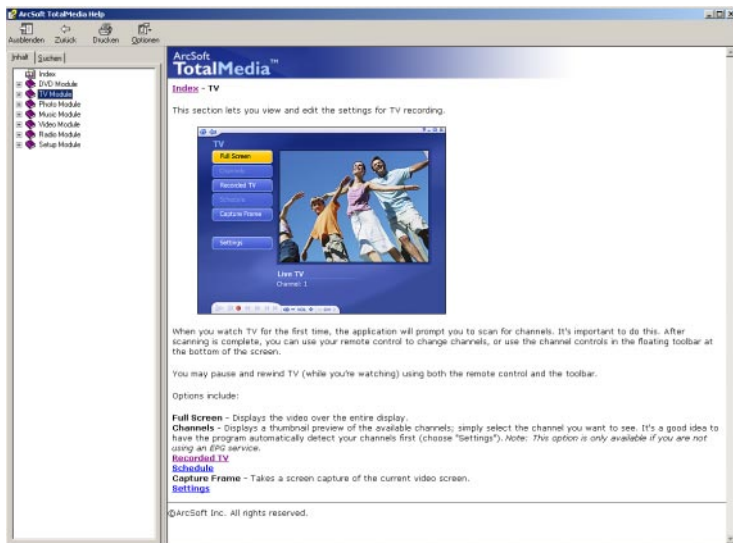
3. Please click on the  on the right top corner.



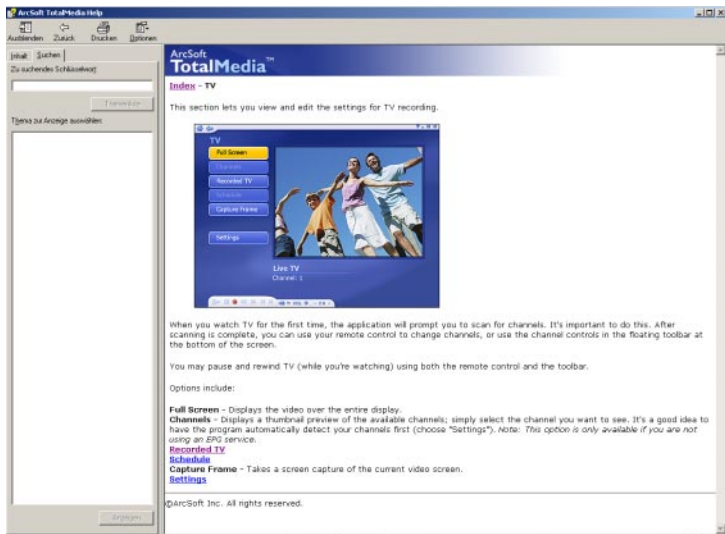
- Click **"Yes"** to continue.



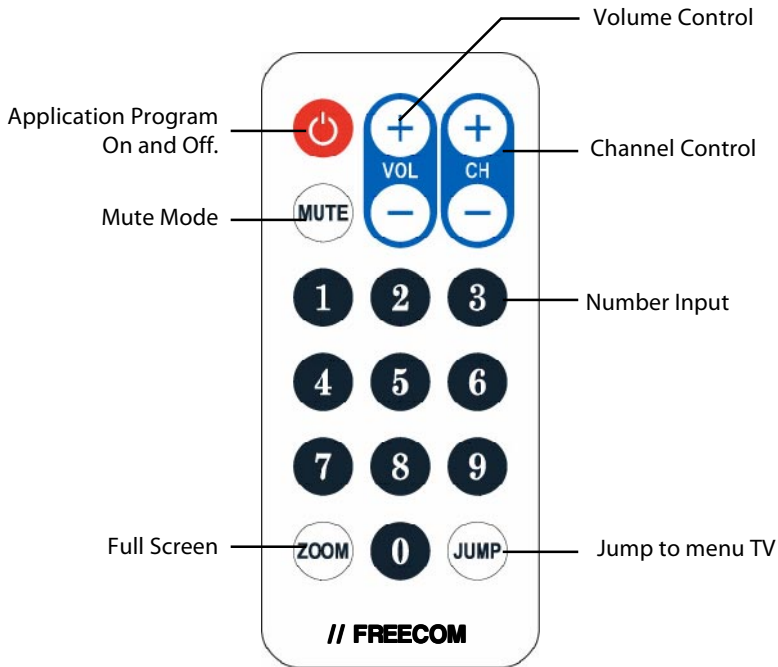
- You may click on any topic you would like to learn more on the list. The detailed instruction will show on right page.



6. You may also search by keyword.



3.3 Introduction of remote control function



When using the remote control, always aim directly to the top side (logo side) of the DVB-T stick. The maximum distance should not exceed 3 metres.



Chapter 4: Trouble Shooting

This Chapter will help you to resolve the problems which you may encounter during the installation and operation.

1. Freecom DVB-T Stick does not work properly

Driver installation might not complete. Click "**Device Manager**" from **Hardware** tab. Find "**Sound, video and game controllers**" category and you may see "**Digital TV Receiver**" on the list. If you do not see it. Please go back and install the drivers again.

2. Windows cannot find Freecom DVB-T Stick

- Check if Freecom DVB-T Stick is connected to your PC.
- Before you launch Freecom DVB-T Stick, please wait for at least 3 seconds when device is just plugged into the USB interface.
- Try to restart operation system.
- Run "Add/Remove Hardware Device" from Windows "control Panel" to install the correct drivers.
- Unplug the Freecom DVB-T Stick, then plug it again. Please note that the interval between plug and unplug should be at least 3 seconds.
- Plug Freecom DVB-T Stick into another USB port of the PC.

3. Windows cannot find the driver of DTV USB Receiver

- Make sure the original CD-ROM is in the CD-ROM drive during the installation.
- Please indicate the correct directory where the drivers located for Windows if install the drivers by manual.

4. Set up Digital TV Receiver software

You may check if driver installed completely. Please go to **Device Manager** and click "**Sound, video and game controllers**" and you'll see "**Freecom USB Hybrid TV Receiver**" on the list. If you don't see it, please install driver again.

5. Can not see any program channel when auto scan.

- Check the cable connection between Freecom DVB-T Stick and the antenna.
- Exit the application. Unplug the Freecom DVB-T Stick, then plug it again. Note that the interval between plug and unplug should be at least 3 seconds. Launch Freecom DVB-T Stick and test again.

6. When error dialog box pops up or black screen appears

- a. Might be resulted from poor signal quality, Freecom DVB-T Stick doesn't receive enough data of program or does receive wrong data. Please check the connection between Freecom DVB-T Stick and the antenna.
- b. Please check the driver of VGA card or on board VGA chip.
- c. Please make sure your operation system is Microsoft Windows XP(SP1) or higher.
- d. Please install Microsoft DirectX9.0 and Media Player 7.0 or higher version.

7. Video is playing but Audio is failed

Please check the sound card or the volume setting.

8. Failed to play program

- a. Make sure you have installed Sound Card Driver and the Sound Card is working.
- b. Please note that no matter if you want to listen to the audio or not, the sound card and its driver must be installed. Please check the signal quality and strength.

9. When playing program, audio is ok, but screen is blank. Why?

Please make sure your VGA driver and Microsoft DirectX9.0 were installed correctly.

10. DTV Mpeg2 video playback on Notebook PCs is not smooth

MPEG2 video playback consumes lots of CPU power. To get better performance, please make sure "Power-saving" mode of the Notebook PC is disabled and the CPU should run at its maximum frequency.

11. If your computer has installed the Intel® express chipset, the MobiDTV remote control may not turn the power on/off, please follow the below steps to resolve this problem.

1. Please click the right button of the mouse on the desktop. Then click "**Properties**" to continue.
2. Please click "**Advanced**" from "**Settings**" tab.
3. Please click "**Graphics Properties**" from "**Intel® Extreme Graphics 2**" tab.
4. Please click "**Hot Keys**" to continue.
5. Please choose the "**Disable**" on the "**Open Graphics Property Application**", then click "**OK**" to finish.

Following information is only for EU-member states:



The use of the symbol indicates that this product may not be treated as household waste. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. For more detailed information about recycling of this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

WARRANTY (valid in Europe/Turkey only):

We thank you for purchasing this Freecom product and hope you will enjoy using it.

In order to avoid unnecessary inconvenience on your part, we suggest reading the quick install guide, instruction manual and any additional electronic and or printed manuals. When problems occur we have a database with Frequently Asked Questions (FAQ) on our Freecom website (www.freecom.com), please check this site before you contact the helpdesk.

Your Guarantee

All Freecom products come with unlimited technical phone and web support. By this Guarantee, Freecom warrants their products to be free from defects in material and workmanship for a period listed below from the date of its original purchase. If during this period of guarantee the product proves defective due to improper materials or workmanship, Freecom will, without charge for labour or parts, at its sole discretion, repair or replace the product or its defective parts upon the terms and conditions set out below.

Conditions

This guarantee will be granted only when the original invoice or sales receipt (indicating the date of purchase, product and serial number) is presented together with the defective product and a Freecom RMA number received from the Freecom Website or given by a Freecom Service Center. Freecom reserves the right to refuse the free-of-charge guarantee services when the date of purchase of the product cannot be proven. This guarantee will not apply if the RMA number is missing, the serial number on the product has been altered, removed or made illegible.

This guarantee covers only the hardware components packaged with the product. This guarantee covers none of the following: (a) any consumable supplied with the product, such as media or batteries; (b) damage to or loss of any software programs, data or removable storage media; (c) any damage resulting from adaptations, changes or adjustments, which may have been made to the product, without the prior written consent of Freecom; (d) attempted repair by any party other than authorized by Freecom and (e) accidents, lightning, water, fire or any other such cause beyond the reasonable control of Freecom.

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Repair parts and replacement products will be provided on an exchange basis and will be either new, equivalent to new or reconditioned. All replaced parts and products become the property of Freecom. The period of guarantee for any product or part repaired or replaced in warranty shall be the balance of the original guarantee. Repairs or replacements on product or parts out of warranty carry **6 (six)** months guarantee.

All Freecom products come with unlimited free technical phone and web support.

Freecom Product

Classic & Internal Series
FS & FX Series
FHD Series
FSG-xxx
MediaPlayer-xxx
DVB-T / USB Stick
USB Floppy Disk Drive
USBCard (Pro)
USB 2.0 CardReader
DAT & LTO Drives (retail)
DAT-S Kits

Warranty period

1 year (Two years in Europe)
1 year (Two years in Europe)
1 year (Two years in Europe)
1 year (Two years in Europe)
1 year (Two years in Europe)
1 year (Two years in Europe)
1 year (Two years in Europe)
1 year (Two years in Europe)
1 year (Two years in Europe)
3 years
2 years